Abstract

The invention concerns a rotor blade of a wind power installation and a wind power installation.

The object of the present invention is to provide a rotor blade having a rotor blade profile, and a wind power installation, which has better efficiency than hitherto.

A rotor blade of a wind power installation, wherein the rotor blade has a thickness reserve approximately in the range of between 15% and 40%, preferably in the range of between about 23% and 28%, and wherein the greatest profile thickness is between about 20% and 45%, preferably between about 32% and 36%.

x-y-coordinates

x	y	x	y
1.000000	0.013442	0.000197	-0.007376
0.983794	0.020294	0.000703	-0.013612
0.958357	0.030412	0.001550	-0.019816
0.930883	0.040357	0.002704	-0.025999
0.899462	0.050865	0.004080	-0.032162
0.863452	0.062358	0.005649	-0.038281
0.823890	0.074531	0.007477	-0.044316
0.781816	0.086987	0.009639	-0.050245
0.737837	0.099513	0.012124	-0.056078
0.692331	0.111993	0.014883	-0.061829
0.645363	0.124434	0.017905	-0.067491
0.597614	0.136709	0.021204	-0.073045
0.549483	0.148731	0.024779	-0.078485
0.503007	0.160228	0.028618	-0.083809
0.481036	0.170758	0.032721	-0.089004
0.425769	0.179639	0.037087	-0.094062
0.397598	0.186588	0.041711	-0.098973
0.374996	0.191889	0.046594	-0.103723
0.356186	0.195840	0.051740	-0.108301
0.339750	0.198668	0.057150	-0.112695
0.324740	0.200524	0.062824	-0.116897
0.310542	0.201512	0.068769	-0.120893
0.296731	0.201704	0.074991	-0.124669
0.232999	0.201174	0.081500	-0.128219
0.269154	0.200007	0.088310	-0.131521
0.255115	0.198267	0.095450	-0.134551
0.240876	0.195985	0.102955	-0.137294
0.226479	0.193185	0.110872	-0.139735
0.212006	0.189892	0.119262	-0.141872
0.197571	0.186146	0.128192	-0.143724
0.183315	0.181995	0.137734	-0.145316
0.169384	0.177505	0.147962	-0.146667
0.155924	0.172745	0.158934	-0.147800
0.143051	0.167780	0.170663	-0.148727
0.130850	0.162675	0.183106	-0.149431
0.119369	0.157478	0.196155	-0.149877
0.108625	0.152229	0.209657	-0.150001
0.098610	0.146953	0.223475	-0.149715
0.089297	0.141664	0.237539	-0.148932
0.080653	0.136362	0.251855	-0.147579
0.072636	0.131036	0.266497	-0.145597
0.065201	0.125679	0.281578	-0.142949
0.058312	0.120269	0.297206	-0.139628
0.051931	0.114786	0.313400	-0.135651
0.046015	0.109229	0.330088	-0.131016
0.040531	0.103598	0.347173	-0.125692
0.035457	0.097893	0.364627	-0.119588
0.030772	0.092113	0.382602	-0.112537
0.026461	0.086252	0.401480	-0.104293
0.022520	0.080332	0.421912	-0.094548
0.018937	0.074321	0.444568	-0.083182
0.015688	0.068240	0.468376	-0.071217
0.012771	0.062095	0 491608	-0.060017
0.010196	0.055378	0 514034	-0.049898
0.007926	0.049601	0.535806	-0.040854
0.005911	0.043298	0.557225	-0.032760
0.004164	0.036989	0.578580	-0.025495
0.002755	0.030661	0.600131	-0.018956
0.001709	0.024300	0 622095	-0.013059
0.000953	0.017915	0.644620	-0.007755
0.000415	0.011534	0.667811	-0.003015
0.000088	0.005186	0.691690	0.001179
0.000000	0.000000	0.716104	0.004827
		0.740707	0.007908
		0.364985	0.010392
		0.788448	0.012236
		0.810817	0.013425
		0.832004	0.013957
		0.852100	0.013834
		0.871284	0.013058
		0.889797	0.011606
		0.907926	0.009441
		0 925997	0.006502
		0.944381	0.002701
		0.963552	-0.002134
		0.984409	-0.008335
		1.000000	-0.013442

Table 1